Shape Your Expression as Desired with Ultra-Safe Eco Sublimation Transfer Ink and Specialized Textile Software

For
TEXTILES &
APPAREL

1.8m Wide High-Speed Sublimation Transfer Inkjet Printer

Mimaki

Tiger600-1800TS

Highly Safe Eco Sublimation Transfer Ink

MLSb510

High density and wide color gamut MLSb510, delivers vivid and striking results

MLSb510 is also safe and environmentally friendly, boasting ECO PASSPORT certification, and is currently undergoing ZDHC MRSL Lv.3 adoption.

OEKO TEX®
ECO PASSPORT
NEP 1801 Nissenken
www.oeko-tex.com

More Advanced Textile RIP Software for Professional Use

TxLink™4

- Parallel RIP functionality improves work efficiency
- Smoother gradients with 16-bit rendering
- Easy nesting operation saves media, etc. Nesting functions to suit your application
- Variable data print function ideal for sportswear
- Image masking process is possible within TxLink4
- PDF transparency effects can be faithfully rendered and reproduced

Product specifications

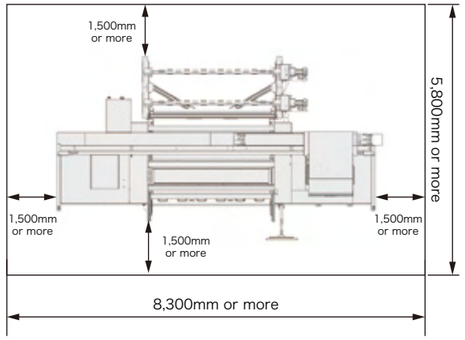
Item		Tiger600-1800TS
Print head type		On-demand piezo print head
Number of print head		8 units (4 in-lined x 2 staggered layout)
Print resolution		300dpi, 600dpi
Maximum print width		1,850mm (72.8")
Minimum print width		210mm (8.3")
Maximum media width		1,900mm (74.8")
Paper core diameter		3 inches
Media roll diameter		600mm or less (≤ 23.6")
Media weight		300kg or less (≤ 661.4 lb.)
Ink	Type/Colors	Sublimation Transfer MLSb510 (Bl/M/Y/K)
	Content	10kg Ink Tank
Interface		Ethernet 10GBASE-T USB2.0 (Removable Disk)
Operation method Operation software		Built-in touch panel Exclusive Software MPC (Mimaki Print Controller)
RIP Software		TxLink4 Standard / Professional
Compatible Standards		ETL compliant with IEC62368-1, CE marking (EMC Directive, Low Voltage Directive, Machinery Directive) CB certification / RoHS / REACH / RCM / KC certification / UKCA
Power		3ϕ 380-415V ± 5%, 50/60Hz ± 1%, 25A
Operational environment	Operation temperature	20~30 degC / 68-77 degF
	Humidity	35-65% RH (Non-condensing)
	Dust level	0.15㎎/㎥ or less (Equivalent to a general office floor level)
	Maximum operating altitude	2,000m
Power consumption	Max. operating	15.0kW or less
	Standby	1.0kW or less
External dimensions (W×D×H)		5,300x2,800x1,900mm (209"x110"x75")
Weight		1,620 or less (≤3,572 lb.)*1*2

*1: Total of entire system
*2: paper and ink weight are excluded

Supply items

Item		Code	Descriptions
Sublimation Transfer Ink MLSb510	Blue	MLS51-BLT-BJ	10 kg Ink tank
	Magenta	MLS51-MT-BJ	
	Yellow	MLS51-YT-BJ	
	Black	MLS51-KT-BJ	
Maintenance liquid	ML03 bottle	ML003-Z-K1	200ml bottle

Installation space



Entering within 1 meter of perimeter is extremely dangerous during the production

● Some of samples in this catalog are artificial renderings. ●Specifications, design and dimensions stated in this catalog may be subject to change without notice for technical improvements etc. ●The corporate names and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may very slightly vary after replacement of print heads. ●Also note that if using multiple printer units, colors could vary slightly from one unit to other (s) due to slight individual differences. ●The specifications described in this catalog are as of August 2023.

Mimaki™
mimaki.com

MIMAKI ENGINEERING CO., LTD.
2182-3 Shigeno-Otsu, Tomi-city, Nagano 389-0512, Japan
TEL:+81-268-64-2281

Mimaki Global Network

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DB30347-01

Tiger600-1800TS

The Mimaki's Tiger series is reborn with a maximum speed of 550 sqm/h

Embracing the digital printing era - paving the way to a sustainable textile industry

Unparalleled productivity !

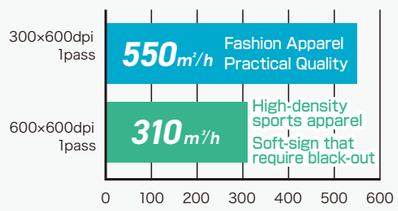
Next-Generation Tiger : Unparalleled Productivity and Superior Image Quality

Print Speed
Max. 550m²/h

Mimaki's original print technology and mechanism design, together with a new high-speed drive print head. The new【Tiger】was born with high productivity and image quality, setting the stage for the future of digital textile printing.

【Tiger600-1800TS】with Mimaki's accumulated technologies, embodies practical image quality and productivity for textile and fashion applications.
It is a product that brings you to the world of sustainable digital textile printing.

Recommended Print Speed
(by applications)



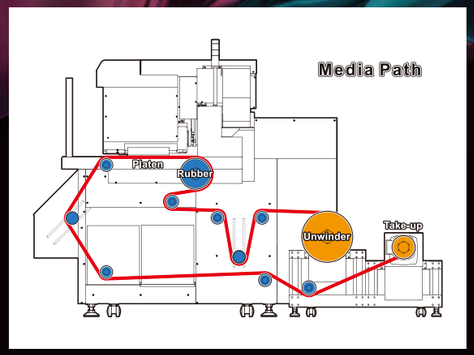
*Above are expressions based on internal evaluations and are not guaranteed for all applications.

New design !

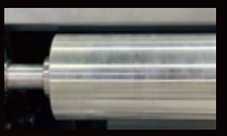
Advanced Transfer Paper Transport Mechanism : Stable Printing even with Thin Transfer Paper!

The Tiger600-1800TS features a newly designed wrinkle-removing roller within its transport system.
Previously, transport tension-induced wrinkles on the transfer paper led to cockling, causing the print head to touch the paper.

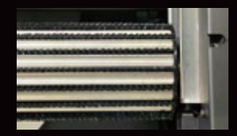
The newly designed roller allows wrinkles to escape when transport tension is applied, effectively preventing any contact between the print head and the transfer paper.
Ensuring stable transport of thin paper helps reducing running cost.

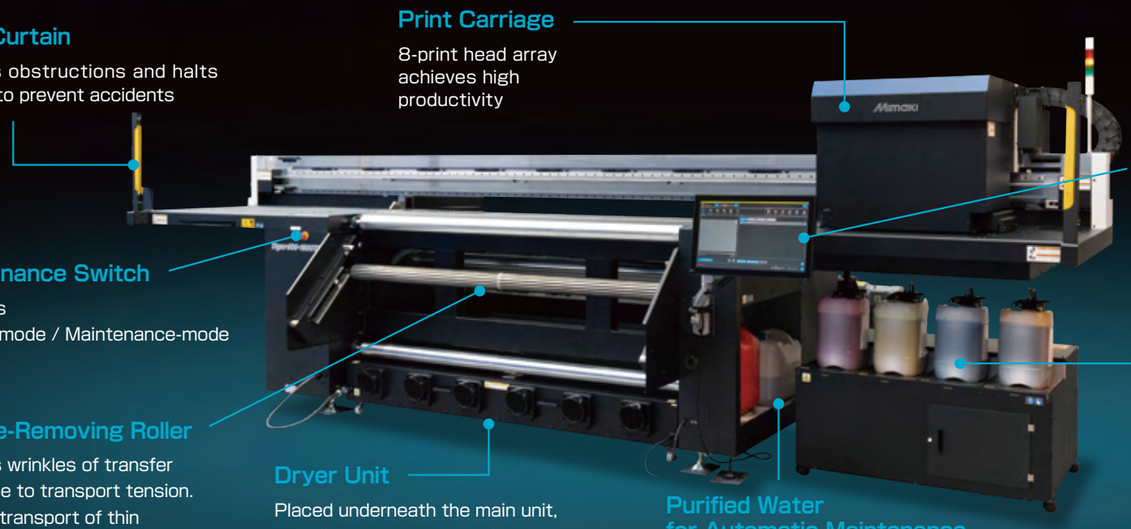


Standard roller



Wrinkle-removing roller





Light Curtain
Detects obstructions and halts printing to prevent accidents

Print Carriage
8-print head array achieves high productivity

Operation Software : MPC
Printer operation and production directive performed from the touch panel.
*Please prepare a PC for RIP software (Sold separately)

10kg Ink Tank Supply Unit & Internal Buffer Tank
Ink tank can be replaced during printing operation. In addition, the ink circulation function automatically agitates the ink in the system, contributes to less maintenance time and stable operation.

Maintenance Switch
Switches
Printing-mode / Maintenance-mode

Wrinkle-Removing Roller
Reduces wrinkles of transfer paper due to transport tension. Smooth transport of thin transfer paper is supported.

Dryer Unit
Placed underneath the main unit, contributes to space-saving

Purified Water for Automatic Maintenance
*Please make your own preparations

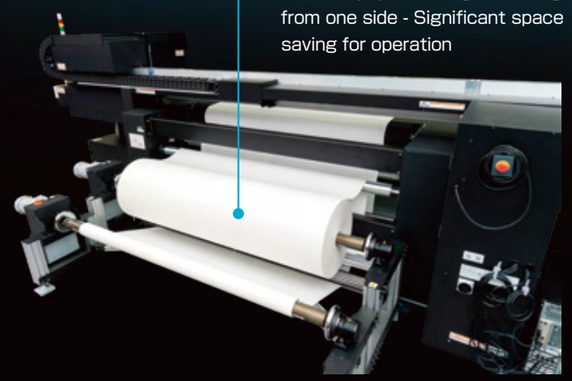
Smart design !

Space-Saving and Lightweight Design for Easier Installation

Both transfer paper set-up and take-out can be performed from one-side

- Operation footprint reductions : Approx. 50% vs previous model
- Product weight reductions : Approx. 80% vs previous model

Greatly easing installation location restrictions
- easier for customers to install the system



Take-up/Unwind Unit (Rear Section)
Transfer paper loading/unloading from one side - Significant space saving for operation

Continuous production!

Ink System Design and Support Functions for Continuous and Stable Production

A new ink system design implemented to reduce the risk of nozzle dropout during operation. The system is also equipped with support functions to ensure that customers can continue working even in the event of nozzle clogging.

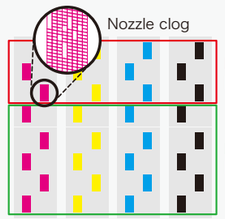
NRS : Nozzle Recovery System

Even when head cleaning does not clear nozzle clog, productivity can be maintained.

*Recovery may not work depending on nozzle clog positions

Head Select Function

The print process can be continued using the available range of print heads when large number of nozzles are clogged.
*Productivity varies depending on the usable range of print heads.



Without head select

When using head select